Patent Claims

1. A rotation rate sensor having a vibration gyro, in which circuits which access variable data are provided for operation of the vibration gyro and for emission of a rotation rate signal, characterized in that the data is stored in a non-volatile memory (8) which can be written to, and in that means (5) are provided for reading the data from the non-volatile memory (8) after switching on the rotation rate sensor.

2. The rotation rate sensor as claimed in claim 1, characterized in that the non-volatile memory is an EEPROM (8).

3. The rotation rate sensor as claimed in claim 2, characterized in that the EEPROM (8) is a flash EEPROM.

4. The rotation rate sensor as claimed in one of the preceding claims, characterized in that the data is subdivided on the basis of its use into groups, and in that measures for signal protection are taken for one group in each case.

5. The rotation rate sensor as claimed in claim 4, characterized in that a checksum is formed over the data for in each case one group, is stored in the non-volatile memory (8) and is used for checking during reading.

6. The rotation rate sensor as claimed in one of claims 4 or 5, characterized in that one of the groups contains adjustment data.

7. The rotation rate sensor as claimed in one of claims 4 to 6, characterized in that one of the groups contains parameter sets for filters.

8. The rotation rate sensor as claimed in one of claims 4 to 7, characterized in that one of the groups contains value limits for self-testing of the rotation rate sensor.

9. The rotation rate sensor as claimed in one of the preceding claims, characterized in that a software emulation program is also stored in the non-volatile memory (8).